Technology that smooths the path to network computing

IBM WorkSpace On-Demand 2.0

Highlights

Helps reduce cost of ownership through centralized control

Provides a standardized environment that can be tailored to the needs of each user

Helps increase productivity and reduce user training time

Allows software updates and provides configuration capability from servers rather than on every client

Supports existing workstation hardware, applications, network infrastructure and new Java network computing applications

Includes broad support for clients: IBM Network Stations, Windows 95, Windows 98 and Windows NT 4.0

Is Tivoli® Ready™

Is Year 2000 ready[1]

IBM® WorkSpace On-Demand, the network computing environment for Intel®-based servers, enables a comfortable transition from the traditional client/server model to network computing and Java™. WorkSpace On-Demand consists of a client environment and server utilities, which administer the client environment. WorkSpace On-Demand allows you to access network applications, intranets and the Internet. Using WorkSpace On-Demand means existing supported hardware and software can be used, with the server acting as a control center, helping to reduce the cost of systems management and maintenance.

What it is

WorkSpace On-Demand is an IBM OS/2® Warp Server-based solution for deployment and management of desktop environments for enterprise customers who need to manage their transition to network computing. WorkSpace On-Demand is made up of three components.

The first component is the client operating system that runs on the network computer. A network computer can be a network PC, such as the IBM PC 300 GL or an x86-based (or compatible)

Example of a customized WorkSpace On-Demand client desktop

e-business

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'orkstation used as a thin client. In this ase, thin client is defined as a diskless ıtel-based (or compatible) PC which ets all its software components from ıe server (no software resides on the lient machine).

he second component, the WorkSpace)n-Demand Manager, is a set of server- ide utilities used to install, configure and ıaintain the network client hardware and)ftware. All operating system software, pplications and data are stored on the erver, simplifying updates and dministration.

he third component is the WorkSpace)n-Demand Feature for Windows® :lients extending the benefits of /orkSpace On-Demand to Microsoft®)perating System client environments. he WorkSpace On-Demand Feature for /indows Clients provides benefits such s the deployment of the Windows perating system, roaming user support, erver-managed desktop, server- ıanaged applications, a worry-free ıanagement environment of the client perating system and fast, automated ecovery from client hard drive failures.

What it does

WorkSpace On-Demand is tuned specifically for network computing. It provides a graphical user interface (GUI) for users, the processing power of the Intel PC and information access on any server in your network with Internet technologies. At the same time, it can lower cost of ownership by eliminating the need to distribute software to clients and to store unique files at the client hard drive, permitting PC hardware interchangeability. Users can access their applications and data from any client system in the network domain.

What Java has to do with it

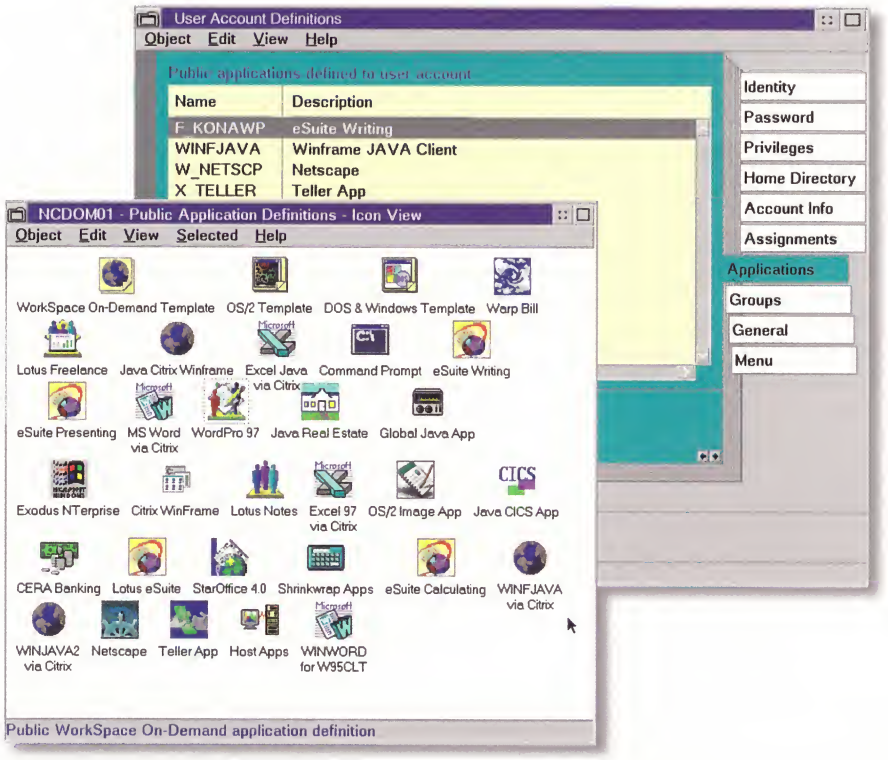
The infrastructure of WorkSpace On-Demand, which runs on OS/2 Warp Server, is built to provide information systems on a global scale—to help make network computing work the way it should today. And Java, the language of network computing, is the key. WorkSpace On-Demand has the Java Virtual Machine built right into the operating system. From the client desktop, your users can take advantage of numerous Java applications, and enjoy true network computing now.

What it works with

WorkSpace On-Demand supports native OS/2 and Java applications as well as Microsoft Windows 3.x and DOS applications. It also provides access to 3270 and 5250 emulations. Access to Windows 95, Windows 98 and Windows NT® 4.0 applications can be provided, either with the Windows terminal server or with the WorkSpace On-Demand Feature for Windows Clients that will be added to support Windows 95, Windows 98 and Windows NT 4.0 clients.

Where it works

WorkSpace On-Demand has the extraordinary capability to turn the computer user into a roaming client user. Users can log on to any system on the local network and have access to the desktop layout and applications specified in their profile. The user desktop, then, becomes any place that has a connection to the network. So users work just as they always have, yet the applications they use now reside on, and are launched by, the server. This simple, yet



WorkSpace On-Demand Manager utilities: assigning applications to a user

significant, change is made possible through remote IPL (RIPL) or Dynamic Host Configuration Protocol (DHCP) Boot, making it easier for users to connect. The thin client environment prevents users from damaging any critical files or changing a desktop configuration. WorkSpace On-Demand customers benefit from reduced administration and user support costs.

What your choices are

WorkSpace On-Demand has a flexible interface that can be tailored to users' needs, giving them a practical way to access their most frequently used applications. WorkSpace On-Demand 2.0 offers a common desktop across various clients (WorkSpace On-Demand 2.0, Windows) and is especially suited to the needs of transaction-oriented users.

Including Network Station® Manager (NSM) Version 3.0 with WorkSpace On-Demand 2.0 provides a central point of management for IBM Network Stations, network computers and Intel-based workstations used as thin clients.

How it can solve your network computing problems

WorkSpace On-Demand gives you the benefits of network computing today, with potential cost-of-ownership savings of up to 39 percent.[2] Plus, you can get the productivity and ease-of-use of a PC. If that's not enough, WorkSpace On-Demand supports your existing applications, as well as new Java applications. WorkSpace On-Demand helps solve your network computing needs, making you look like a hero.

For more information

Call your local IBM representative or business partner for details about implementing WorkSpace On-Demand in your environment, and visit our Web site at *www.ibm.com/software/network/workspace*.

M WorkSpace On-Demand at a glance

ırdware quirements	Server: • 486/33-MHz processor or higher • 48MB of memory (RAM) • Swap space equal to three times the amount of RAM Thin client: • 486/33-MHz processor or higher • 16MB of memory (RAM) • Preboot Execution Environment (PXE)/DHCP-capable or RIPL boot-capable LAN adapter WorkSpace On-Demand Feature for Windows Clients: • Intel-compatible Pentium® processor • Hard disk must be between 250MB and 8GB • RIPL boot-capable LAN adapter
ıftware quirements	• OS/2 Warp Server 4, including Fixpack 32 or higher • OS/2 Warp Server Advanced, Version 4, including Fixpack 32 or higher • OS/2 Warp Server Advanced, Version 4, with symmetric multiprocessing (SMP), including Fixpack 32 or higher • OS/2 Warp Server for e-business
ıftware support	• DOS, Windows 3.1, OS/2 and Java applications • Applications for Windows 95, Windows 98 and Windows NT 4.0, through WorkSpace On-Demand Feature for Windows Clients • WorkSpace On-Demand 2.0 client includes Java 1.1.6 and Netscape Communicator 4.04 • WorkSpace On-Demand Feature for Windows Clients includes, IBM Win32 Runtime Environment, Java Edition, Version 1.1.7 and OREXX (Object REXX Interpreter Edition)
ımponents	• WorkSpace On-Demand 2.0 client • WorkSpace On-Demand 2.0 Manager contains server utilities for administration • WorkSpace On-Demand Feature for Windows Clients (add-on feature)
ient pport	• WorkSpace On-Demand 2.0 client • IBM Network Station supported by Network Station Manager, Version 3.0 for WorkSpace On-Demand • Windows 95, Windows 98 and Windows NT 4.0

M WorkSpace On-Demand benefits

ın improve oductivity	• Secure personalized access from any client system in the network domain for native PC applications
ıick ıgrades	• Rapid deployment of latest version of desktop environments • Administrators can provide improved data and application security and availability since no data or applications reside on the client
ıw support ısts	• Administrators can reduce support costs through server-managed clients
ın extend ırdware life	• Runs on existing equipment, extending PC life and reducing hardware turnover
ılf-paced ınsition	• Provides a managed transition from client/server to network computing and Java

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[1] Year 2000 ready means that the IBM product, when used in accordance with IBM-associated documentation, is capable of correctly processing, providing and/or receiving the date data within and between the twentieth and twenty-first centuries, provided that all other products (for example, hardware, software and firmware) used with the IBM product properly exchange accurate date data with it.

[2] Source: 1998 GartnerGroup Total Cost of Ownership conference (March 30 – April 1).

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